

ARIZONA DEPARTMENT OF HEALTH SERVICES

BRUCE RABBITT Governor
FLOYD E. NOVICE, M.D., M.P.H. Director

January 10, 1985

Mr. Pat Imboriale
16324 East Camel Drive
Fountain Hills, Arizona 85268

Dear Mr. Imboriale:

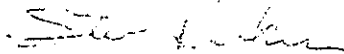
Re: Disposal of Pesticide Contaminated House Furniture

Please be advised that the pesticide contaminated house furnishings located at the above address may be properly disposed of by notifying Charles Gabriel, Manager, Salt River-Pima-Maricopa Indian Community Landfill, at 941-3427.

Measures will be addressed at the landfill to insure that all contaminated materials will be buried immediately after being received.

If you have further questions, please contact me at 255-1162.

Sincerely,



Stu Baker, R.S.
Environmental Health Specialist
Central Regional Office
Office of Waste and Water Quality Management

SB:dp

cc: Charles Gabriel

ARIZONA DEPARTMENT OF HEALTH SERVICES

Division of Disease Control Services

RUCE BABBITT, Governor
DONALD B. MATHIS, Director

July 27, 1984

Mr. William J. Monahan
Attorney at Law
Building Number 10
5050 North Eighth Place
Phoenix, Arizona 85014

RE: Imbriale Property Location: 16324 E. Carmel Drive, Fountain Hill 85268

Dear Mr. Monahan:

Enclosed please find a copy of the results of the air samples taken from 16324 East Carmel Drive, Fountain Hill 85268. Essentially the results confirmed what Mr. William Ahearn found on June 7, 1984. However, even though the air sample results were below the National Academy of Sciences recommended guidelines for chlordane and heptachlor, it is strongly suggested that the house be decontaminated as recommended.

The National Academy of Sciences stated that it could not determine a level of exposure to chlordane and heptachlor below which there would be no biological effects under conditions of prolonged exposure of families in housing. Chlordane and heptachlor are determined to be carcinogens by the National Cancer Institute.

Mr. William Ahearn found that there were about 3.3 micrograms of heptachlor and less than 15 micrograms of chlordane in 33 square inches of the carpet. Mr. William Ahearn recommended that the carpet in the house be cleaned to speed the process of desorption. However, according to my own experience and the experience of the supervisor of the Entomology Shop at Scott U.S. Air Force Base who had supervised the cleaning of twenty two air force housing units, cleaning of porous surfaces alone would not sufficiently decontaminate the porous surfaces. According to this Air Force supervisor, fresh painting of all appropriate surfaces is a must and all porous surfaces, such as acoustic tiles and carpets should be removed and replaced. The highest risk was the kind of exposure, body burden, that a child might get playing on the surface of the contaminated carpet, and eating materials laying on the carpet or eating without washing his or her hands.

Therefore, in order to protect the residents of the house, it is recommended the source of the contamination, namely the openings of the solar duct system, be permanently closed with concrete of thickness equal to or greater than the floor slab.

Mr. William J. Monahan
July 27, 1984
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It is further recommended that all porous surfaces in the house be removed and replaced and all other surfaces in the houses be scrubbed with heavy duty detergent and water three times.

It is further recommended that the walls in the house be freshly painted.

If you have further questions about this matter, please feel free to contact me.

Yours truly,



Pak Shem
Toxic Substances Unit
Communicable Disease & Consumer Protection Section

Reference: Lt. William T. Baily, "Chlordane Contamination of Government Housing Units in Burton, North Carolina" The Coast Guard Engineer's Digest. No. 219, page 13-15, 1983.

cc: Betty Wyckoff, Structural Board of Pest Control

Air Sample Results Taken from 16324 E. Carmel Drive,
Fountain Hill
on July 11, 1983

Sample	MSA Pump	Place Sample Taken	Flow Rate liters/min	Time Run(min)	Air Volume cubic meters	Conc. microgm/m ³	
						chlordan	heptachlor
1	001	outlet duct	1.79	1000	1.79	1.40	1.44
2	002	master bedroom	1.99	1000	1.99	ND	0.25
3	003	sun room	1.56	1000	1.56	ND	0.38
4	005	child's room	1.71	1000	1.71	ND	0.26
5	006	inlet duct	1.93	1000	1.93	ND	0.28
6	008	kitchen	1.87	1000	1.87	ND	0.26

ND=none detected

Detection Limit:

Chlordane = 0.5 microgram

Heptachlor = 0.03 microgram

SUBMITTING AGENCY
 SAMPLE NUMBER

64-14-84

SAMPLE DESCRIPTION

Six Sep Pak Filters

Vorris Extermination

SEND REPORT TO

Structural Pest Control Board
 2207 S. 48th St., Suite M
 Tempe, AZ 85282

COLLECTED AT

Imbriale/Groff
 16324 E. Carmel Dr.
 Fountain Hills, AZ 85268

DESCRIBE SAMPLING METHOD Sample #1-(outlet of duct)-pump 001, run 1,000 min. @ 1.79 lit./min.
 #2-(master bedroom)-pump 002, run 1000 min. @ 1.99 lit./min.
 #3-(bath room)-pump 003, run 1,000 min. @ 1.56 lit./min.

REASON FOR SAMPLING

☒ Surveillance
☐ Enforcement

#4-(child's room)-pump 005, run 1,000 min. @ 1.71 lit./min.
 #5-(inlet of duct)-pump 006, run 1,000 min. @ 1.93 lit./min.
 #6-(kitchen)-pump 008, run 1,000 min. @ 1.27 lit./min.

PROJECT REFERENCE

N/A

RELATED SAMPLES (list numbers)

N/A

NAME & PH. No. of PROJECT CONTACT

SPCE 255-3664

LOT SIZE

N/A

LOT NO.

N/A

CHAIN OF CUSTODY

DATE

COLLECTED BY

SIGNATURE

7/13/84

TRANSFERRED by

to

TRANSFERRED by

to

7/13

RECEIVED S.A.L.

7/24

PREPARED BY

7/25

ANALYZED BY

ANALYZED BY

ANALYZED BY

RELEASED by

to

DESTROYED

DESCRIBE SAMPLE CONTAINER AND SEAL

6 - manilla envelopes (9 X 6) sealed at the top.

REMARKS

Taken by Pak Shem

ANALYSIS REQUESTED - BE SPECIFIC

no chlordane detected 0.5ug
 #6 0.48 micrograms heptachlor 0.03ug

Detection Limits

Analyze for chlordane & #1 heptachlor

2.5 micrograms chlordane 0.5ug

2.58 microgram heptachlor 0.03ug

no chlordane detected 0.5ug

#2 0.49 micrograms heptachlor 0.03ug

no chlordane detected 0.5ug

#3 0.59 micrograms heptachlor 0.03ug

no chlordane detected 0.5ug

#4 0.45 micrograms heptachlor 0.03ug

no chlordane detected 0.5ug

#5 0.59 micrograms heptachlor 0.03ug

FEES

Specific Contaminant X 6

450

Additional X 6

300

TOTAL CHARGES

\$750

ASSISTANT DIRECTOR OR CHIEF CHEMIST

Robert J. Magness

LABORATORY NUMBER

84-844

DATE REPORTED

25 Jul 84

MISCELLANEOUS ANALYSIS

PECIMEN NUMBER

76028

NAME OF CLIENT

Pak Shem / Toxic Substances

ADDRESS

411 N. 24th St

City PHX

STATE

AZ

ZIP CODE

85008

COLLECTED BY

TECH 11/11/84

TELEPHONE NUMBER

SAMPLE DATA

DATE COLLECTED

Feb 17, 18

LOCATION - CITY

16324 E.

Camel Dr Tempe

COUNTY

Maricopa

CODE

15 16

DESCRIBE SAMPLE

Sep - Paks

LABORATORY EXAMS REQUESTED

Chlordane and heptachlor

TYPE OF EXAMINATION - Industrial Waste 10 ☐

Food Additive 20 ☐

Food/Bev. Contamination . . . 30 ☐

Industrial Hygiene 40 ☐

Other (specify) 50 ☒

LAB PERFORMING TEST -

Phoenix - 1

Flagstaff - 2

Tucson - 3

☒

27

☒

28

DO NOT CHARGE - 1

10 hours

Specimen Number	REMARKS
1 76028	Chlordane 20 µg detected (Det'n limit 0.1 µg)
2	Heptachlor 12 µg detected (Det'n limit 0.01 µg)
3	
4	
5	
6	Flow rate: 2.3 liter/min running for 1800 MINUTES
7	
8	
9	
10	
11	
12	
13	
14	



ARIZONA DEPARTMENT OF HEALTH SERVICES

Division of Disease Control Services

B. L. BABBITT, Governor
DONALD B. MATHIS, Director

March 1, 1984

Mr. John J. Ferris
Ferris Exterminating Company
13025 N. Cavecreek Road, Suite 2
Phoenix, AZ 85022

Dear Mr. Ferris:

Enclosed please find a copy of the recommended cleaning procedures for decontaminating the premises located at 16324 East Carmel Drive, Fountain Hill, AZ 85268. Mr. Herman Graff will contact your office to start the cleaning procedure. In the event that the tenant of the premises needs to stay in a hotel or motel during the decontamination period, I expect Ferris Exterminating Company to pay for the expense.

If you have any questions about the cleaning procedure, please feel free to contact me.

Yours truly,

Pak Shem
Environmental Health Specialist

PS:bi

cc: Betty Wyckoff
Herman Graff

P.S. The chlordane level and heptachlor level taken from the outlet of the solar system in the premises were 4.83 microgram per cubic meter of air and 2.89 micrograms per cubic meter of air respectively. The National Academy of Science's guideline for chlordane and heptachlor for non occupational environment are 5 micrograms per cubic meter of air and 2 micrograms per cubic meter of air respectively.

Recommended Cleaning Procedures
For the Premises Located at

16324 East Carmel Drive
Fountain Hill, AZ 85268

1. Carpet:

The carpets in the premises have to be removed and discarded as a hazardous waste. Please contact the Arizona Department of Health Services, Bureau of Hazardous Waste Management, Phone - 255-1160, for the procedures of discarding hazardous waste of this nature.

2. Solar duct system:

It is prudent to close the inlet and outlet of the solar duct system permanently with cement blocks.

3. Interior of the premises:

The entire interior of the premises have to be scrubbed three (3) times with heavy duty detergent and painted over with an oil base paint. The waste water has to be discarded according to the procedures specified by the Arizona Department of Health Services, Bureau of Hazardous Waste Management.

4. Furniture and appliances:

The furniture and appliances in the premises have to be scrubbed or wet wiped three (3) times with heavy duty detergent and water. The waste water has to be discarded according to procedure #3.

5. Upholstery furniture and mattresses:

Upholstery furniture and mattresses have to be removed and discarded according to procedure #1.

6. Books and articles:

Books and other articles in the premises have to be wet wiped with heavy duty detergent and water three (3) times. The waste water has to be discarded according to procedure #3.

7. Clothes, draperies:

Clothes and draperies in the premises have to be washed three (3) times with heavy duty detergent and water. The waste water has to be discarded according to procedure #3. In the event the clothes and draperies cannot be washed, they have to be dry-cleaned three (3) times.

8. Food:

Sealed cans of food in the premises have to be washed or wet wiped three (3) times with heavy duty detergent and water. The waste water has to be discarded according to procedure #3. Unsealed food has to be discarded.

9. New carpets have to be replaced to the specification of the owner of the premises.
10. New upholstery furniture and mattresses have to be replaced to the specification of the owner of the furniture and mattresses.
11. Upon completion of the decontamination, please notify Pak Shem, Environmental Health Specialist, Toxic Substances Section, Arizona Department of Health Services, Phone - 255-1206, so that the new air samples can be taken to confirm the results of the decontamination procedure.